

Product datasheet for **SC108530**

MD1 (LY86) (NM_004271) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MD1 (LY86) (NM_004271) Human Untagged Clone
Tag:	Tag Free
Symbol:	MD1
Synonyms:	dj80N2.1; MD-1; MD1; MMD-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_004271 edited ATGAAGGGTTTCACAGCCACTCTCTTCTGACTCTGATTTTTCCAGCTGCAGTGGA GGCGGCGGTGGGAAAGCCTGGCCACACACGTGGTCTGTAGCGACAGCGGCTTGAAGTG CTCTACCAGAGTTGCGATCCATTACAAGATTTGGCTTTTCTGTTGAAAAGTGTTCCAAG CAATAAAATCAAATATCAACATTAGATTTGGAATTATTCTGAGAGAGGACATCAAAGAG CTTTTCTTGACCTAGCTCTCATGTCTCAAGGCTCATCTGTTTTGAATTTCTCCTATCCC ATCTGTGAGGCGGCTCTGCCAAGTTTTCTTCTGTGGAAGAAGGAAAGGAGAGCAGATT TACTATGCTGGGCTGTCAATAATCCTGAATTTACTATTCCTCAGGGAGAATACCAGGTT TTGCTGGAAGTGTACACTGAAAACGGTCCACCGTGGCCTGTGCCAATGCTACTATCATG TGCTCCTGA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004271 unedited
 GTATTTGTATACGACTACTATAGGCGGCCGCAATTCGGCACGAGGGCCCCACCATGA
 AGGGTTTCACAGCCACTCTCTTCTCTGGACTCTGATTTTTCCAGCTGCAGTGGAGGCG
 GCGGTGGGAAAGCCTGGCCACACACGTGGTCTGTAGCGACAGCGGCTTGGAAAGTGTCT
 ACCAGAGTTGCGATCCATTACAAGATTTGGCTTTTCTGTTGAAAAGTGTCCAAGCAAT
 TAAAATCAAATATCAACATTAGATTTGGAATTATCTGAGAGAGGACATCAAAGAGCTTT
 TTCTTGACCTAGCTCTCATGTCTCAAGGCTCATCTGTTTTGAATTTCTCCTATCCCATCT
 GTGAGGCGGCTCTGCCAAGTTTTCTTTCTGTGGAAGAAGGAAAGGAGAGCAGATTTACT
 ATGCTGGGCTGTCAATAATCCTGAATTTACTATTCTCAGGGAGAATACCAGGTTTTGC
 TGGAACTGTACTGAAAAACGGTCCACCGTGGCCTGTGCCAATGCTACTATCATGTGCT
 CCTGACTGTGGCCTGTAGCAAAAATCACAGCCAGCTGCATCTCGTGGGACCTCCAAGCTC
 CTCTGACTGAACCTACTGTGGGAGGAGAAAACAGCTGATGACAGAGAGAGGCTCTACAAAG
 AAGCGCCCCAAAGAGTGCAGCCTGCTATTTTTAGTCCCAGGACCAGACATCCCCAGACT
 TCACAGATGTAATGAAGTCCCCGAATGTATCTGTTTCTTAAGAGCCTCTTGGCAGTCTT
 AAACAGTCTTTGAGGTCCATCCTTTTTTCTCTATTTGTTGCGCTTCCACCAGACTTACCT
 GCCTTTTAAACTTTTAAAGAGTGTCTTCCCAGTTACCAAGAATTAAGGAAGCTGGCCAC
 CAAAAAAAAAAAAAAAAACTCCACTTTTAATTGCGGCCCGGTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004271 unedited
 CAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTGGTGGCCAGCTTCTTTATTCTTGGTAA
 CTGTGAGGAAGCACTCCTAAAAATTGAAAAGCAGGTGAGTCTGGTGGGAGGCGACCAATT
 AGAGAAAAAGGATGGACCCTCAAGACTGCTTAAGGACTGCCAAGAGGCTCCTTAAAAACA
 GATACATTCGGGGACTTCATTACATCTGTGGAGTCTGGGATGTCTGGTCTGGGACTAA
 AATTAGCAGCTGCACTCTTTGGGGCGCTTCTTTGTAGAGCCTCTCTGTGCATCAGCTG
 CTTCTCTCCACAGTAGGTTCAAGTCAAGGAGGCTTGGAGGTCCCACGAGATGCAGCTGG
 CTGTGATTTTTGCTACAGGCCACAGTCAGGAGCACATGATAGTAGCATTGGCACAGGCCA
 CCGTGGACCGTTTTTCAAGTACAGTCCAGCAAAAACCTGGTATTCTCCCTGAGGAATAG
 TAAATTCAGGATTATTGACAGGCCCAGCATAGTAAATCTGCTCTCCTTTCCTTCTCCAC
 AGAAAGAAAACCTGGGCAGAGCCGCCTCACAGATGGGATAGGAGAAATTCAAAACAGATG
 AGCCTTGAGACATGAGAGCTACGTCAAGACAAAAGCTCTTTGATGTCCTCTCAGAAATA
 TCCCAATCTAATGTTGATATTTGATTTTAAATTGCCTTGGACACTTTTAAACAGAAAAGCCA
 AATCTTGTATGGATCCCACCTTGTAGAGCACTCCAAGCCGTTGTCTCCAAACAGTGT
 GTGGGCCAAGCTTTCCACGCGCCCTCATTGTATCGTGGAAAATAACACCCCCAGGAAGA
 AAGGGCTGTGAACCTTATTGTGGGGCCCTCTGCCAAATTCGGGCCCCCATAGACGT
 CTTTCAAATTTGACGCGCACTACAACGTTTGTATATAACTCCCCGACACCCACGC
 CCTTGCACAACGGGCGGTCTTCCAATTCGGACGCCCTTATCGCCA

Restriction Sites:

NotI-NotI

ACCN:

NM_004271

Insert Size:

830 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_004271.3 , NP_004262.1
RefSeq Size:	895 bp
RefSeq ORF:	489 bp
Locus ID:	9450
UniProt ID:	O95711
Cytogenetics:	6p25.1
Domains:	ML
Protein Families:	Secreted Protein
Gene Summary:	May cooperate with CD180 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS) and cytokine production. Important for efficient CD180 cell surface expression (By similarity).[UniProtKB/Swiss-Prot Function]